

Abstract

The present invention is an oil system component comprising an acid neutralizing metal such as zinc, calcium, cadmium or magnesium, or alloys thereof. According to one embodiment, a multipurpose component is provided by including an acid neutralizing metal in a standard component such as the oil sump, oil screen, and/or oil filter. The present invention is particularly suited for incorporation into a standard oil filter by fabricating the casing and or an internal screen of acid neutralizing metal and/or by incorporating acid neutralizing metallic fibers into the mechanical filter material.

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